

CLAIMS

1. Electric motorizing unit for welding pliers with an
5 electric welding pliers motor, of the type comprising a core
(1) provided with a front fixing flange (2) and carrying the
stator, said core (1) being closed at its ends by a front
plate (2) and a rear plate (6), a rotor (3) turning in the
stator and provided with a motor shaft (4), the rear plate
10 (6) being arranged to carry the supply connection for the
motor and if desired control means for the motor such as
resolvers, encoders and/or decoders, the front plate (2)
supporting the motor shaft,

characterized by the fact that the core (1) is arranged
15 to receive optionally a removable refrigerating module (7).

2. Unit according to claim 1,
characterized in that the cooling module (7) is
constituted by a ribbed or finned cover (9) for natural
20 convection.

3. Unit according to claim 1,
characterized in that the cooling module (7) is
constituted by a hollow cover (10) for the passage of air
25 impelled by a fan (11).

4. Unit according to claim 1,
characterized in that the cooling module (7) is
constituted by a circulation cover (13) for a cooling
30 liquid.

5. Unit according to one of claims 1 to 4,

characterized in that the pre-equipped rear plate (6) is arranged to be fixed interchangeably on the body (1).

6. Unit according to claim 5,

5 characterized in that it comprises a braking module (8) arranged to be mounted optionally between the rear plate (6) and the core (1).

7. Unit according to one of claims 1 to 6,

10 characterized in that the front plate (2) is arranged to be fixed interchangeably on the front fixing flange (2) of the core (1); the rotor (4) being interchangeable to be adapted to the type of transmission predetermined by the front flange (5).